Brady IP™ printers

Intelligence by Design.

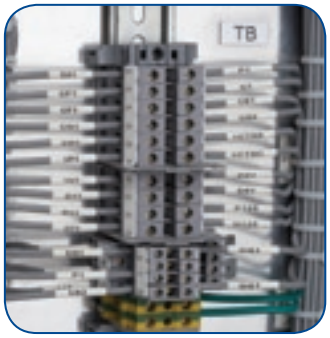
IP™ Series PRINTER

Outperforming Expectations:

Brady's full line of Thermal Transfer Printers perform under the toughest conditions. Designed to work with our easy-to-use software applications and our full range of Brady industrial materials, these printers give you the sharp, professional, cost-effective labels you need.

Load, click, print – it's that easy. Brady's IP thermal transfer printing system is designed to make printing faster, easier, and more efficient – helping you create a lean Just-in-Time production process. With reduced set-up time, easy materials loading, and intuitive label design software, companies can print signs and labels on-de-mand. The system offers material recognition, automatic software formatting, and user friendly printer features.

Brady IP™ Thermal Transfer Printer



Quick material change-out with easy-to-use printing system:

- Label formats automatically open for faster design and printing
- Automatically calibrates for notched, gapped or continuous supplies
- Sets correct print settings for material
- Printer tracks media and ribbon levels
- Printer identifies best ribbon and materials match for flawless printing

Convenient, practical, straight-forward operation:

- Large easy-to-read LCD display is graphical and alphanumeric
- Quick troubleshooting with intelligent error messaging

Improves productivity, lowers costs, reduces waste:

- Top-loading design reduces printer footprint and allows easy access to materials
- Avoid label waste with center justified sensor and adjustable material grippers
- Cost-effective short label runs with fast material change-overs

Outperforming Expectations Brady Thermal Transfer Printers

- Industrial Manufacturing
- Data Communications
- Electrical, Wire, and Cable Marking
- Control Panel Builders
- Laboratory/Healthcare
- Low Volume Electronics

The smart solution for high-performance printing.

Sharp, fast printing: A print resolution of 300 dpi for the Brady IP300 and 600 dpi for the Brady IP600 assures that your materials will be sharp and professional looking. Optimal speed settings are automatically set using Brady's IP-enabled material. Speed can be adjusted by the user up to 200 mm per second, depending upon the application.

Versatile label options: Brady IP printers work with a variety of Brady specialty materials to give you more cost-effective labeling options. The printer accepts materials up to 106 mm wide and from 3.2 mm to 1016 mm tall (300 dpi) or 3.2 mm to 508 mm tall (600 dpi), with a maximum print width of 105 mm, and a maximum outer roll diameter of 210 mm. Brady IP enabled ribbon includes the centering ribbon spindle, providing fast and convenient ribbon changes and virtually eliminating ribbon wrinkle. Standard ribbon length is 300 m (max is 360 m).

Compact, powerful, connected: Brady IP printers pack a lot of features into a small space, with compact dimensions and weighing only 6 kg. The printer offers 64MB RAM and Serial, USB, and Ethernet 10/100 connectivity, so it's always ready to work.

Take advantage of smarter materials:
Brady IP Enabled materials offer users access to hassle-free automatic printing modes, and Brady IP Compatible materials offer special software configurability options for even more labeling flexibility.

IP PRINTER ORDERING INFORMATION	
PART NUMBER	DESCRIPTION
STANDARD PRINTERS	
BP-THT-IP300	Brady IP300 dpi Printer – Standard
BP-THT-IP600	Brady IP600 dpi Printer – Standard
PRINTERS WITH OPTIONS	
BP-THT-IP300-P	Brady IP300 dpi Printer – with Peel/Present
BP-THT-IP600-P	Brady IP600 dpi Printer – with Peel/Present

For more information about Brady IP Printers, visit www.bradyeurope.com

Technical Data

Printhead	IP300	IP600
Printing Method	Thermal Transfer	
Print Resolution	300 dpi	600 dpi
Print Speed – max.	200 mm/s	100 mm/s
Print Width – max.	105.6 mm	105.6 mm
Material		
Material – gapped, notched, continuous material, labels, tags, sleeves	Thermal and standard paper, textiles cardboard, plastic foil: PE, PP, PVC, PA, PI	
Material Thickness/Weight	0.05-0.73 mm / 60-200g/ m^2	
IP enabled – designates full functionality in Brady mode	IP Series PRINTER Enabled	
IP compatible – designates software functionality in system	IP Series PRINTER Compatible	
Media Roll		
Total Diameter – max	210 mm	
Core Diameter – inside	76 mm	
Winding Direction	Inside or outside	
Width of Liner	25 - 106 mm	
Material Width	6.4 - 106 mm	
Material Height	3.2 - 1016 mm	3.2 - 508 mm
Material Height (peel & present)	12 mm	
Ribbon width sizes	40mm, 60mm, 83mm, 110mm	
Ink	Inside or outside	
Roll Diameter – max	72 mm	
Core Diameter	25 mm	
Ribbon Length Variable – max	300 m (360 m max.)	
Width up to – max	114 mm	
Physical Properties		
Height x Depth x Width	312 x 435 x 240 mm	
Weight	6 kg	
Energy Consumption – max	300 W	
Operating Temperature / Humidity Non-condensing	10 – 35°C / 30 – 85%	
Regulatory	US: UL Listed, FCC verification (class A) and transmitter certification	
	Canada: cUL Listed, IC verification (class A) and transmitter certification	
	Europe: CE: EN55022, EN55024, ETSI EN 301 489-3, Weee/RoHS	
	Mexico: NOM, CONATEL	
	Australia: C-tick	
	IEC: CB certificate to aid safety approval in participating countries	
Label Sensor	Transmitted-light sensor for label edge, cutout marks or label end either centered or shifted 10 mm to the left	
	Reflex sensor from below for label edge, cut-out marks or printed marks from the center, adjustable to the left for 56 mm or to the right for 10 mm	
Electronics		
Processor 32 Bit – Coldfire	266 MHz	
RAM	64 MB	
ROM - Flash	8 MB	
Slot For Memory Card – Compact Flash Type 1 up to 1 GB	✔	
Slot For PC-Card Type II	✔	
Real Time Date / Clock	✔	
Energy Consumption - max	300 W	
Operating Temperature / Humidity Non-condensing	10 – 35°C / 30 – 85%	
Power Supply (Universal)	100 – 240 V ~ 50/60Hz, PFC	

Operations Panel	
Buttons Illuminated, Depending on Mode of Operation	Pause, Feed, Cancel, Menu, Enter, 4 x Cursor
LCD-Alphanumeric Graphic Display: Width x Height	60 x 40 mm
Text Lines / Characters	4 / ca. 20
Fonts and Graphic Images	
Font Types	5 Bitmap fonts incl. OCR-A, OCR-B and 3 Vector fonts Swiss 721, Swiss 721 Bold and Monospace 821 available internally, loadable TrueType fonts.
Character Sets	Windows 1250 up to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBCDIC 500, ISO 8859-1 up to -10 and -13 up to -16, Win OEM 720, UTF-8, Macintosh Roman, DEC MCS, KOI8-R. All West and East European, Latin, Cyrillic, Greek, Hebrew and Arabic characters are supported. Optional Chinese (Simplified Chinese)
Bitmap Fonts	Size of width and height 1 – 3 mm Zoom 2 – 10 Orientation 0°, 90°, 180°, 270°
Vector-/TrueType Fonts	Size of width and height 0.9 – 128 mm Variable zoom Orientation 360° in steps of 1°
Font formats	Bold, italic, underlined, outline, negative, grey, vertical, depending on character fonts
Font width	Variable
Symbols	Line, Arrow, Box, Circle, Ellipse, Filled, Filled with Fading
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG
Bar Codes	
	Code 39, Code 93 EAN 8, 13 EAN/UCC 128 AN/UPC Appendix 5 HIBC Interleaved 2/5 1/18/2013 MSI Postnet UPC A, E, E0 Code 128 A, B, C Codabar of German Post AG EAN/UPC Appendix 2 FIM Code 39 full ASCI Ident and lead code 1/18/2013 Plessey RSS 14 Aztec Codablock F Data Matrix PDF 417 Micro PDF 417 UPS Maxicode QR-Code RSS 14 truncated, limited, stacked, and stacked omnidirectional.
	All codes variable in height, module width and ratio. Orientation 0°, 90°, 180°, 270°. Optionally with check digit, printed characters and start/stop code, depending on code type.

Interface	
Serial RS 232 C 1,200 up to 230, 400 baud / 8 bit	✔
USB 2.0 High Speed Slave for PC Connection	✔
Ethernet 10/100 Base T, LPD, RAWLIP-Printing, DHCP, HTTP, FTP, SMTP, SNMP, NTP	✔
RS 422, RS485, 1,200 up to 230,400 Baud/8bit	Optional
Peripheral Connection	✔
USB Master for Keyboard and Scanner 2X	✔

Types of Errors:

End of Ribbon

End of Labels

Printhead Open

System diagnosis of memory and print head when switched ON, Short status, status print, font list, device list, profile of print head, label profile, test grid, monitor mode.

Extensive status print with information about instrument setting, for example print length counter, runtime counter. Request of the machine status via software command.

Detailed status messages on the display, for example network error-no link, barcode error, etc.

Status to and from Brady RFID tags on ribbon and material.

BRADY
WHEN PERFORMANCE MATTERS MOST™

IP™ printers

Brady Lifetime Value

Safety
- Labels resistant to harsh conditions
- Long life adhesive and inks
- Specified for product lifetime

Service
- Industrial expertise
- Implementation consultancy
- Dedicated laboratories

Quality
- ISO certified manufacture
- Expert product design
- Proven reliabilty

Cost
- Automation through high speed printer/applicator machines
- MRP compatible software

You get...

Improved efficiency
Reduced operational and safety risks

Brady Locations

BRADY Belgium
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China (Shanghai)	86-21-6886-3666
China (Wuxi)	86-510-528-2222
Hong Kong	852-2359-3149
Japan	81-45-461-3600
Canada	1-800-263-6179
Korea	82-31-451-6600
Latin America	1-414-540-5560
Malaysia	60-4-646-2700
Mexico	525-399-6963
New Zealand	61-2-8717-2200
Philippines	63-2-658-2077
Singapore	65-6477-7261
Taiwan	886-3-327-7788
Thailand	66-2-793-9200
USA	1-800-537-8791

Your Brady Distributor

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